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700 East Gregory Street

Re: Residential Propp. 57

Claim No: 5113496077

Insured: Allstate Insurance Company CAT

Subject: Report of Findings

RCG File No: 5220843

Dear Mr. Gutzweiler:

Mr. Kuntaman reported that their rapidency was distinct by Hurricana Matter an August 29, 2005. The residency was located at 017 harrier or, Via a

Rimkus Consulting Group, Inc. was retained by Mr. Jim McCowin on behalf of UCAA to evaluate the reported damage to the residential structure. We were specifically asked to determine structural damage caused by the hurricane winds verses structural damage caused by the associated storm surge and waves. Mr. Jerome A. Quintero performed our visual inspection of the property on October 6, 2005 with the owner present. Weather data used during our evaluation was obtained from Compu-Weather. Inc. and the National Oceanic and Atmospheric Administration (NOAA).

CONCLUSIONS

The following conclusion were made after our site visit and a review of the photographs. Our opinions are as follows:

- 1. Hurricane Katrina demolished the superstructure of the residency, such that only the slab on grade remained.
- 2. High wind forces and flooding/wave forces from Hurricane Katrina were both of sufficient magnitude to cause structural damage to the structure.
- 3. There was insufficient physical evidence to determine the proportion of wind verses storm surge that destroyed the structure.

INTRODUCTION

The residency was a one story superstructure and a substructure of concrete slab on grade. The exterior wall consisted of brick and the roof consisted of asphalt shingles. For the purposes of this report, the front of the residency was referenced to face east.

Hurricane Katrina was one of the strongest storms to impact the coast of the United States during the last 100 years. After crossing South Florida and enturing the Culf of Mexico, Katrina began to strengthen reaching category 5 strength hurricane and on August 21, 2005, about 250 miles south and the of the mouth of the Mississippi Pivor Katrina's winds reached their peak intensity or 115 mph winds and the peak intensity of 115 mph winds and 115 mph winds are peaked to 115 mph winds and 115 mph winds and 115 mph winds are peaked to 115 mph winds and 115 mph winds are peaked to 115 mph winds and 115 mph winds are peaked to 115 mph winds are peaked to 115 mph winds and 115 mph winds are peaked to 115 mph winds and 115 mph winds are peaked to 115 mph winds

According to published weather data, the highest wind gusts measured plans the Mississippi coast on August 29, 2005, were 90 mph, at a iCould. Ar 3 in 1 ii xi, 30 in 1 in Gulfport, and 50 mph at Pascagoula. Winds as high as 125 mph likely occurred near the point of landfall near the Louisiana/Mississippi border, and winds I' bly in other of 100 mph occurred along the entire Mississippi border. Preliminary the form NOAA estimated winds in the Gulfport area to be 100 to 100 mph.

flooding. Along the Mississippi coast, there with portulation of 11.07 floor according, and a report of 30 feet above sea level at Hundock.

OBSERVATIONS

During the course of our site visit, we observed the following:

- All the homes located on north side of Farrar St. were destroyed (Photo 3).
- Owners roof was located across the street and to the southeast (Photo 4).
- There was minor evidence of wind activity (Photo 5),
- Surge level was measured east of property and across the street (Photo 6),
- Field measurements of the scrape marks on the tree indicated that the storm surge level reached approximately 15.6 feet above the ground.
- There was debris at the site and adjoining properties.

ANALYSIS

Weather data showed that wind speeds in the Gulfport region were approximately 100 to 130 mph, and that a storm surge of approximately 25-feet occurred. Since wind forces from Hurricane Katrina were estimated in the range of 130 mph, we cannot rule out that lateral forces from wind loads exceeded the structural design. The lateral

pressure from wave action typically exceeds wind loads. A 130 mph mph wind will produce a lateral pressure of approximately 43 psf whereas a 4-foot height of water will produce a maximum hydrostatic pressure of over 200 psf, not including dynamic lateral forces from wave action.

Based on the conditions stated above, both the wind and surge components of Hurricane Katrina were capable of damaging the structure. With only the slab on grade remaining after the huminator, there was insufficiently to have a capable of damage caused by the hurricane winds versus the associated surge/waves.

This report was prepared for the exclusive use of All 1.1 CM and was to all 1.2 and was to all 1.3 and 1.

Tacali you for allowing us a second basis and the additional assistance, please coll.

Sincerely,

RIMKUS CONSULTING GROUP, INC.

Jerome A. Quintero Consultant

Corey D. Green, P.E. MS Reg. Eng. No. Number Senior Consultant

Attachments: Photographs